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Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (703) 746-4000

SEP 21 2004

or Fax

(703) 746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed when appropriate. All further correspondence, including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

7590

07/14/2004

Santangelo Law Offices
 Third Floor
 125 South Howes
 Fort Collins, CO 80521

09/24/2004 RMEBRAH1 00000178 10049719

01 FC:1501

1330.00 DP

Note: A certificate of mailing can only be used for domestic mailings of Fee(s) Transmittal. This certificate cannot be used for any other accompany papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

Barbara Graves	(Depositor's name)
<i>Barbara Graves</i>	(Signature)
September 21, 2004	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/049,719	06/17/2002	Dong Young Kim	LEE&KOUSNP	9724

TITLE OF INVENTION: FIBER OPTIC CABLE FOR INCREASED TRANSMISSION CAPACITY AND WAVELENGTH DIVISION MULTIPLEXING OPTIC TRANSMISSION SYSTEM USING THE SAME

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$0	\$1330	10/14/2004

EXAMINER	ART UNIT	CLASS-SUBCLASS
BARBER, THERESE	2882	385-123000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1. SANTANGELO LAW OFFICES, P.C.

2. _____

3. _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

LG Cable Ltd. and Korea Advanced Institute of Science and Technology
 Republic of Korea

Please check the appropriate assignee category or categories (will not be printed on the patent); ☐ individual ☒ corporation or other private group entity ☐ government

4a. The following fee(s) are enclosed:

☒ Issue Fee☐ Publication Fee (No small entity discount permitted)☐ Advance Order - # of Copies _____

4b. Payment of Fee(s):

☐ A check in the amount of the fee(s) is enclosed.☒ Payment by credit card. Form PTO-2038 is attached.

☐ The Director is hereby authorized to charge the required fee(s), or credit any overpayment Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.☒ b. Applicant is not claiming SMALL ENTITY status. See, e.g., 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party interest as shown by the records of the United States Patent and Trademark Office.

(Authorized Signature)

(Date)

Robert A. Remue, Reg. No. 48,605 September 21, 2004

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 14 Alexandria, Virginia 22313-1450.

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TRANSMIT THIS FORM WITH FEE(S)



Express Mail No.: EV508575874US

IN THE UNITED STATES PATENT
AND TRADEMARK OFFICE

Application Number: 10/049,719
Applicants: Dong Young Kim and Yun Chur Chung
Filed: 17 June 2002
Priority Information: (original KR) 1999-33359, filed 13 August 1999
(PCT) PCT/KR00/00899, filed 12 August 2000
Title: Fiber Optic Cable for Increased Transmission Capacity and
Wavelength Division Multi-Plexing Optical Transmission System
Using the Same
Confirmation No.: 9724
TC/A.U.: 2882
Examiner:: Therese Barber
Assignee:: LG Cable Ltd. and Korea Advanced Institute of Science and
Technology
Attorney Docket:: Lee&KoUSNP
Customer No.: 33549

LETTER OF TRANSMITTAL

To: Mail Stop Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

Dear Sir:

In response to the Notice of Allowance mailed July 14, 2004, enclosed with this correspondence are the following documents:

- a. Part B - Fee(s) Transmittal, form PTOL-85
- b. a Credit Card Payment form in the amount of \$1330.00;
- c. this Letter of Transmittal and
- d. Certificates of Express Mailing and a return postcard.

Please confirm receipt of the documents by applying your date stamp on the enclosed postcard and returning it to me.

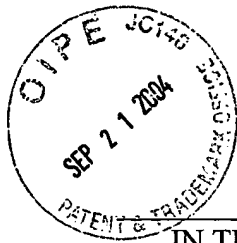
I have this 21 day of September, 2004, either myself personally or through my direction of staff at this office, deposited all of the items in the above Letter of Transmittal with

the United States Postal Service as "Express Mail," postage prepaid, in an envelope addressed to:
Mail Stop Issue Fee, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450.

Dated this 21 day of September, 2004.

Respectfully Submitted,
SANTANGELO LAW OFFICES, P.C.

By: Nicole A. Ressue
Nicole A. Ressue
ATTORNEY FOR APPLICANT
PTO No. 48,665
125 South Howes, Third Floor
Fort Collins, Colorado 80521
(970)224-3100



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IN THE UNITED STATES PATENT
AND TRADEMARK OFFICE


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Confirmation No.: 9724
TC/A.U.: 2882
Examiner:: Therese Barber
Assignee:: LG Cable Ltd. and Korea Advanced Institute of Science and
Technology
Attorney Docket:: Lee&KoUSNP
Customer No.: 33549

CERTIFICATE OF EXPRESS MAILING

I, Barbara Graves, hereby certify to the truth of the following items:

1. I am an employee of Santangelo Law Offices, P.C., 125 South Howes, Third Floor, Fort Collins, Colorado 80521.
2. I have this day deposited the attached Letter of Transmittal along with a Credit Card Payment form in the amount of \$1330.00 and a return receipt postcard with the United States Postal Service as "Express Mail", postage prepaid, in an envelope addressed to: Mail Stop Issue Fee, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

This 21 day of September, 2004.


Barbara Graves